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**ANALYSIS THE USING OF PAINT ON  
EXTERNAL WALL**  
(CASE STUDY: BUILDINGS IN CAMPUS UiTM, SHAH ALAM)

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## ABSTRACT

Outside the buildings, the life of paint film is usually thought to have ended when it is faded, dirty, chipped or scratched. This predicament almost found at numerous buildings in Malaysia and as a study case, several buildings in campus UiTM. This problem can cause divan look where the facade of that building is worst and most terrible.

This situation ought to come across and try to dodge by many ways either supervise the quality of work or follow the sequence of work in painting. The type of paint chosen may be not suitable for apply to that surface and the usage of equipment may be not practical or standardised.

This dissertation would focus on painting and repainting work, which will refer to study case that focus the following:

- ❑ Identifying source of paint defect.
- ❑ Identifying problems in painting process in the selection of material, workmanship and supervision.
- ❑ Identifying solution in assuming quality painting by preceding and guideline proposal.
- ❑ Determining the best paintwork, technique and technology.

In actual phenomena, all factors related to improve painting work will come out in particular by refer to study case. Inspection and observation for each selected building in UiTM campus will be done base on object of

study. Here, every single feature and problem is defined by overall inspection to the building. The result of analysis will come out with conclusion and recommendation.

Substrate must be suitably sound for painting and properly prepared. The appropriate paint system must be specified, it must be applied following manufacturer's recommendations and under suitable conditions. UiTM Maintenance Department must administer all the contractors' work to make certain improvement in paint quality and to ensure that the facade of building can be more energetic for a longer time without deficiency.

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Hopefully, this dissertation shall become a beneficial reference for future research.

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## 1.1 INTRODUCTION

Generally, human being need shelter to stay. It means that they need the building for their daily activity and also to protect them from hazardous surroundings. For good living the condition of all elements of building must be in best stage. For example, main structures such as roofing, walling, flooring must be able to function accordingly.

However, these elements need component a medium as protection to climate hazards. The best medium is paint. The paint can also improve the quality of surface and appearance. The surface of building can be more exciting by using the variation of paint colour. This is important for the first inspiration from the eyes because human will get their own perception from colour.

However, problems accrue in painting. Some of paint surface dilapidated and the paint falling to pieces, The problem can be found at many building in our country. This problem can cause divan look where the facade of that building is worst and most terrible.

The main function of the paint is getting most horrible to protect the surface from deficiency according the weather condition, moisture, heating, water and atmosphere condition.